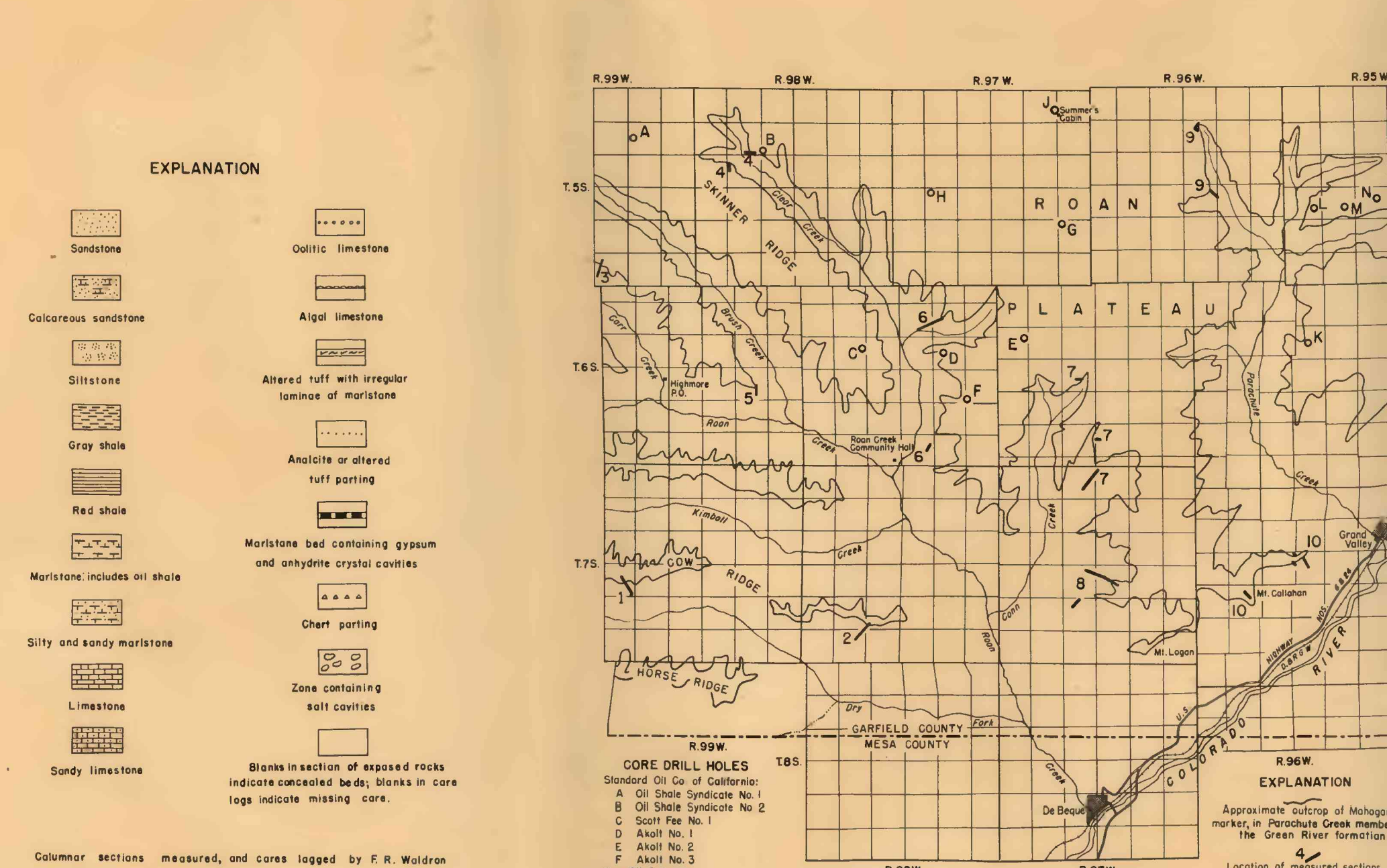
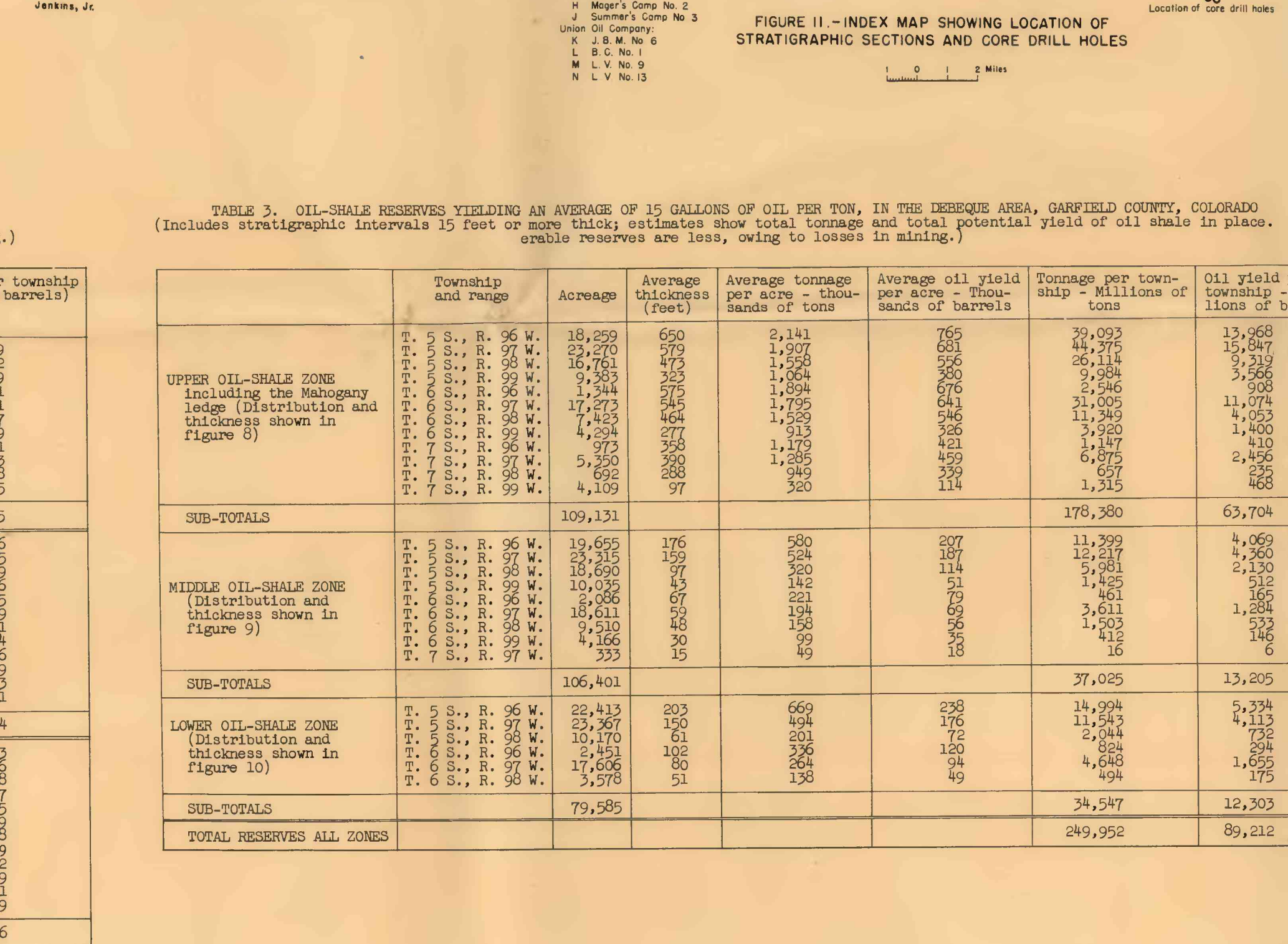


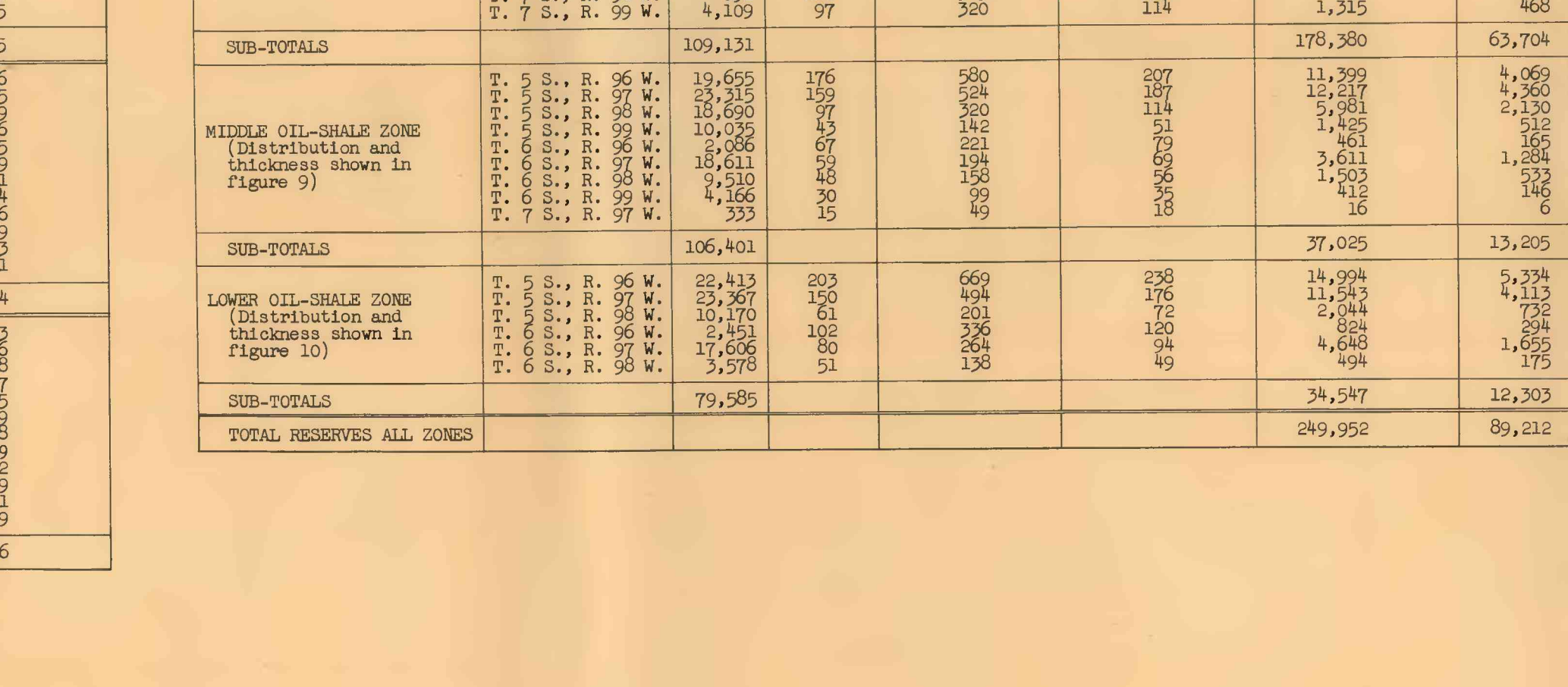
The sedimentary rocks exposed in the Dequee oil shale area have a total thickness of about 4,100 feet. They consist of a sequence of beds of oil shale, red-colored sandstone, lenticular sandstone and thin-bedded



lower members of the Formation were not distinguished, because they have the same composition. The rocks consist mostly of plagioclase (albite/anorthite), some magnetite and apatite, and a small amount of olivine and calcite or dolomite. The phenocrysts are principally albite and magnetite, and the groundmass consists of calcite or dolomite grains pseudomorphic after magnetite.



are projected through Mt. Callaghan and between Mt. Logan and Delaney, and thence northwest, passing through the south end of the ridge to Hart Creek, and thence up Hart Creek to the east boundary of the mapped area. South of this area rocks equivalent to the basalts on Mt. Callaghan are an outlier of one of the flows on Battlement Mesa. As the area between the flows apparently was deposited prior to cutting of the Colorado River canyon, it is probably of late Tertiary age.



The average rate of dip of the Green River beds on the southeast flank of the regional structural high is about 10° to 15° (fig. 1). The dip of the upper Paleocene of western Colorado is 21° N. 84° E. (Hart, 1907, vol. 6, p. 351-354).